



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 289, August 29, 2025

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

This bulletin is available via email subscription only. See

<http://www.arrl.org/bulletins> to subscribe. (The online archive is no longer updated.)

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

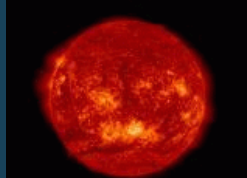
Dr. Tony Phillips' [SpaceWeather.com](#), used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

30 Aug 2025 1709 GMT
SFI: 222 SN: 183
A-Index: 6
K-Index: 1
X-Ray: C2.6
304Å: 152.6 @ SEM
Ptn Flx: 505
Etc Flx: 52300
Aurora: 2/n=1.99
Mag (Bz): 1.8
Solar Wind: 370.1
Geomag Field VR QUIET
Sig Noise Lvl S0-S1
Current Solar Image



<http://www.norbh.com>
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DX News

3C, EQUATORIAL GUINEA. Yuris, YL2GM and Yevgen, EA5EL will be QRV as **3C3W** from Bioko Island (AF-010) in **September**. Activity will be on 160 to 6 meters. QSL via [YL2GN](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0926)

3CØ, ANNOBON I. After their Equatorial Guinea activation, Yuris, YL2GM and Yevgen, EA5EL will be QRV in **September** as **3CØW**. Activity will be on 160 to 6 meters. QSL via [YL2GN](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0926)

4U/ITU, ITU HQ. Special callsign **4UØITU** continues to mark the 160th anniversary of the ITU until the **end of 2025**, operating from the 4U1ITU club station.

-[DXNL # 2471 August 13, 2025] (0815-0905)

5H, TANZANIA. Chas, NK8O will be QRV as **5H3DX** from **August 31st to September 21st**. Activity will be in his spare time on 30 to 10 meters using CW, FT8, and FT4. QSL via LoTW.

-[ARRL DX Bulletin # 34 August 21, 2025] (0822-0926)

8R, GUYANA. Aldir, PY1SAD, is QRV as **8R1TM** until **September 23rd**. Activity is on 160 to 10 meters using CW, SSB, and various digital modes. This includes some Satellite activity as well. QSL to [PY1SAD](#), LoTW.

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0926)

9M2, WEST MALAYSIA. In celebration of Malaysia's national holiday, special event stations **9M25MA**, **9M25MB**, **9M25MC**, **9M25MD**, **9M25MJ**, **9M25MK**, **9M25MM**, **9M25MN**, **9M25MP**, **9M25MR**, **9M25MT**, and **9M25MW** are QRV until **September 30th**. QSL via operators' instructions.

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-1003)

9M2, WEST MALAYSIA. Celebrating the 68th anniversary of Malaysia's independence (August 31, 1957), members of Terengganu DX (West Malaysia) will be active as **9M1957M** from **August 1st to September 30th**. They will operate SSB, CW and FT8 on 80-10 meters. QSL direct to [9M2RDX](#) (see <https://www.qrz.com/db/9M1957M>).

-[425DXN # 1785 July 19, 2025] (0801-1003)

9M6, EAST MALAYSIA. Members of the Amateur Radio Club Sarawak will be QRV with special event station **9M8BARF** from **September 1st to 15th** to highlight the 12th Borneo Amateur Radio Festival being held in Kuching. QSL via [ClubLog's OQRS](#), or direct to [9M8HAZ](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0919)

9M6, EAST MALAYSIA. In celebration of Malaysia's national holiday, special event stations **9M25MS** and **9M25MQ** are QRV from Sabah and Sarawak, respectively until **September 30th**. QSL via operators' instructions.

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-1003)

9X, RWANDA. Harald, DF2WO will be QRV as **9X2AW** from Kigali from **September 1st to 21st**. Activity will be on various HF bands and 6 meters using CW, SSB, FT8, and FT4, and on Satellite QO-100. QSL via [MØOXO's OQRS](#) and LoTW.

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0926)

A3, TONGA. Masa, JK1JXZ is currently active as **A35JK** from Nuku'alofa, Tongatapu (OC-049), Tonga until **September 12th**. Main activity so far has been on 17 and 15 meters FT8. QSL via LoTW.

-[425DXN # 1791 August 30, 2025] (0829-0912)

A9, BAHRAIN. Members of the Bahrain Amateur Radio Society celebrate the IARU centenary with special call sign **A91ØØIARU**, and the 75th anniversary of IARU Region 1 with special call sign **A975IARU**. They are active 6 to 10 days each month. QSL via [EC6DX](#).

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0905)

CE9, ANTARCTICA. Alex, DL2ALY, is currently QRV as **DPØGVN** from the Neumayer III station (AN-16). QSL via [DL4BBH](#).

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0905)

CU, AZORES. Martin, OK1FZM, and Lenka, OK1WZM, will be signing **CU2**/homecalls from Sao Ligeal Island (EU-003) from **August 26th to September 6th**. They'll then move on to Flores (EU-089). QSL CU2/OK1FZM via [OK1FZM](#), and CU2/OK1WZM via [OK1WZM](#).

-[DXNL # 2473 August 27, 2025] (0829-0905)

CX, URUGUAY. Special event callsign **CW2ØØDI** is for members of Radio Club Uruguayo to celebrate the bicentennial of Uruguayan declaration of independence (August 25, 1825) from **August 20th to September 18th**. QSL via the bureau, LoTW, or direct to [CX1AA](#).

-[425DXN # 1789 August 16, 2025] (0815-0919)

D4, CAPE VERDE. Special station **D45ØICV** celebrates the 50th anniversary of Cape Verde's independence **until the end of the year**. QSL via [IK2NCJ](#).

-[DXNL # 2471 August 13, 2025] (0815-0905)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of August 29, 2025:

1. P5	DPRK (North Korea)	11. VKØM	Macquarie Island
2. BS7H	Scarborough Reef	12. KH4	Midway Island
3. CEØX	San Felix Islands	13. PYØS	Saint Peter And Paul Rocks
4. BV9P	Pratas Island	14. KP5	Desecheo Island
5. KH7K	Kure Island	15. VPØS	South Sandwich Islands
6. KH3	Johnston Island	16. ZL9	New Zealand Subantarctic Islands
7. 3Y/P	Peter 1 Island	17. FK/C	Chesterfield Islands
8. FT5/X	Kerguelen Island	18. VKØH	Heard Island
9. YVØ	Aves Island	19. FT/T	Tromelin Island
10. 3Y/B	Bouvet Island	20. EZ	Turkmenistan

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF August 29, 2025] (0829-0919)

E4, PALESTINE. OM2DX, OM2IB, OM2ZZ, OM3RG, and some more operators are still going forward with their plans for operating from Bethlehem **during September** as **E44OM**, depending on the security situations. QRV on HF, as many bands and modes as possible. QSL via [OM2DX](#).

-[DXNL # 2473 August 27, 2025] (0829-0926)

E6, NIUE. Gavin, ZL3GAV, is QRV as **E6SP until August 31st**. QSL to [ZL3GAV](#).

-[ARRL DX Bulletin # 34 August 21, 2025] (0822-0905)

EA, SPAIN. Special callsigns **EG1SDC-EG9SDC** (**September 1st-7th**), **EH1SDC-EH9SDC** (**September 8th-14th**), and **EG41SDC** (**September 1st-14th**) will be active to commemorate Day of Asturias and the principality's patron saint, popularly known as the Santina de Covadonga. This is the 41st edition of the 'SDC' special event. Also active will be **CB1SDC** from Chile (**September 1st-14th**). See <https://santina.dxfun.com/> for more information, including on-line logs and downloadable certificates.

QSL for all callsigns via [EA1AUM](#), LoTW and eQSL.

-[425DXN # 1790 August 23, 2025] (0829-0919)

FO, FRENCH POLYNESIA. David, F1SXC and Herve, F4DPA will be active as **TX14TOM** from Tai'arapu-Est, Tahiti (OC-046), French Polynesia on **August 17th-31st**. See <https://log-et-qsl.associations-radioamateurs.org/wp/> for log search and eQSL. QSL via LoTW.

-[425DXN # 1790 August 23, 2025] (0822-0905)

H4, SOLOMON IS. Bernhard, DL2GAC, will be back on the air as **H44MS** from Malaita Island (OC-047) from **September 2025 to April 2026**.

-[DXNL # 2473 August 27, 2025] (0829-0919)

HA, HUNGARY. During September, **HA4ØMATRA**, operated by the Vak Bottyan Radio Club (HA6KVC), marks the 40th anniversary of the Matra Landscape Protection Area. For more information see: <http://www.bnpi.hu>.

-[DXNL # 2473 August 27, 2025] (0829-0926)

HK, COLOMBIA. Lothar, DK8LRF, will be back on the bands as **HK3JCL** from **September 3rd until May 15th next year**. QSL via [DK8LRF](#).

-[DXNL # 2471 August 13, 2025] (0829-0926)

I, ITALY. Watch for **IJ7/IK7WDS**, **IJ7/IW7DMH**, **IJ7/IW7DOL**, **IJ7/IZ7AUH**, and **IJ7/IZ7LDC** to be active from San Pietro Island (EU-073) on **August 29th-31st**. They will be QRV on the HF bands, on 6 and 2 meters, and via QO-100. QSL via operator's instructions.

-[425DXN # 1790 August 23, 2025] (0829-0905)

I, ITALY. ARI section Fidenza honors Marconi's memory with the following callsigns during 2025:

I14LDMA in August; **I14RADS** in September; **I14WLTX** in October; **I14EACC** in November; **I14TJTB** in December. QSL via [I14FE](#) and LoTW.

-[DXNL # 2471 August 13, 2025] (0815-0905)

K, UNITED STATES. Jonathan, **KK7NQW** will be active from Burrows Island (NA-065) during the US Islands QSO Party, from **1200 UTC on August 30th until 0300 UTC on August 31st** (<https://usislands.org/qso-party-rules/>). He will operate SSB and digital modes (PSK31, Contestia, and possibly FT8) on 40, 20, 15, and 10m. QSL via LoTW, or direct to KK7NQW.
-[425DXN # 1791 August 30, 2025] (0829-0905)

K, UNITED STATES. Howard, **K1VSJ** puts Martha's Vineyard (NA-046) on the air **until September 1st**. QSL via bureau or direct to K1VSJ.
-[DXNL # 2473 August 27, 2025] (0829-0905)

LA, NORWAY. Special callsigns **LA1ØØIARU**, **LB1ØØIARU** and **LM1ØØIARU** (the latter operated by NRRL staff and elected officials) are for the Norwegian Radio Relay League to celebrate the 100th anniversary of the International Amateur Radio Union.
-[425DXN # 1791 August 30, 2025] (0829-0919)

LA, NORWAY. Heli, DDØVR, and his wife Bigi, DE3WBR, are going on a trip through Sweden, Finland and Norway and plan to activate IOTA references from August 29th to September 29th: Norway: Mageroya (Finnmark County West Group, EU-044) and Vestvaagoy (Lofoten Islands Group, EU-076). QRV as **LA/DDØVR** on 80-6m. QSL via DDØVR.
-[DXNL # 2473 August 27, 2025] (0829-0926)

LA, NORWAY. The special event callsign **LA1ØØA** commemorates the first amateur radio contact between Norway and the USA in 1925. On November 25, 1925 Johannes Diesen (LA1A) conducted that first QSO with U1YB at Dartmouth College (NH), USA.
-[DXNL # 2471 August 13, 2025] (0815-0905)

OH, FINLAND. Heli, DDØVR, and his wife Bigi, DE3WBR, are going on a trip through Sweden, Finland and Norway and plan to activate IOTA references from **August 29th to September 29th**: Finland: Radio Arcala Station **OH8X** (no IOTA). QRV as **OH/DDØVR** on 80-6m. QSL via DDØVR.
-[DXNL # 2473 August 27, 2025] (0829-0926)

OH, FINLAND. Special station **OH1ØØIARU** (ops OH2BCI, OH2BH, OH2KI, OH2KM, OH2KW, OH3JR, OH5BM, OH5BQ, and OH7GGX) continues to celebrate IARU's centenary **until the end of 2025**. QSL via bureau or direct via OH3JR.
-[DXNL # 2471 August 13, 2025] (0815-0905)

PA, NETHERLANDS. *Dutch Lighthouse Hunt* This event takes place **during September** from Dutch lighthouses with various callsigns:

First group:

PA1LIGHTHOUSE - Haamstede (PA7Q)
PD1LIGHTHOUSE - Texel Island (PD2TX)
PD2LIGHTHOUSE - Breskens (PD2XX)
PD3LIGHTHOUSE - Hoek van Holland (PD2WCW)
PD4LIGHTHOUSE - Marken (PD4JOH)
PD5LIGHTHOUSE - Westkapelle (PD2AE)
PD6LIGHTHOUSE - Marken (PDØTM)
PD9LIGHTHOUSE - Maasvlakte (PD9RW).

Second group:

PAØ1LH, PDØ1LH, PDØ2LH, PDØ3LH, PDØ4LH, PDØ5LH, PDØ6LH, PDØ7LH, PDØ8LH, PDØ9LH, PDØØLH.

For more information and the award rules see: <https://dutchradiogroup.com/>

-[DXNL # 2473 August 27, 2025] (0829-0926)

SM, SWEDEN. Heli, DDØVR, and his wife Bigi, DE3WBR, are going on a trip through Sweden, Finland and Norway and plan to activate IOTA references from **August 29th to September 29th**: Sweden: Oeland (Kalmar County Group, EU-037) and Gotland (Gotland County Group, EU-020). QRV as **SM/DDØVR** on 80-6m. QSL via DDØVR.
-[DXNL # 2473 August 27, 2025] (0829-0926)

SM, SWEDEN. The radio club **SK3GK** commemorates the first radio broadcast from the city Gävle in 1925 **until the end of the year**. QSL via bureau.

-[DXNL # 2471 August 13, 2025] (0815-0905)

SV, GREECE. Adrian, M1LCR will be QRV as **SV8/M1LCR/p** from Paxos Island (EU-052) on **September 2nd to 13th**. Activity will be holiday style on 80 to 6 meters using SSB and RTTY, with main activity occurring during the upcoming IARU Region 1 Field Day. QSL via LoTW.

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0919)

SV5, DODECANESE. Bernhard, DJ5MN is QRV as **SV5/DJ5MN** and **SV5/DJ5MN/p until September 8th**. Activity is in his spare time on 40 to 10 meters using CW, SSB, and FT8. He is also active on various Low Earth Orbit Satellites using CW, SSB, and FM. QSL to [DJ5MN](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0912)

T3Ø, WEST KIRIBATI. Members of the Rebel DX Group are QRV as **T3ØTTT** from North Tarawa **until September 8th**. Activity is on 160 to 6 meters using CW, SSB, FT8, and FT4 with up to 10 stations active. QSL via LoTW.

-[ARRL DX Bulletin # 25 June 19, 2025] (0620-0905)

T8, PALAU. Yoshinori, JG2RMR will be QRV as **T88DZ** from **September 2nd to 7th**, and Yasu, JH2FDJ will be QRV as **T88DF** from **September 2nd to 11th**, including for both participation in the Phone leg of the All Asian DX Contest (September 6th-7th). QSL T88DZ via [JG2RMR](#), and T88DF via [JH2FDJ](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0912)

TJ, CAMEROON. Darek, SP3GDH is QRV as **TJ1GD** while here working on humanitarian missions. He has been active in his spare time on 40 to 10 meters using FT8. This includes some activity on Satellite QO-100. QSL via [SP3EOL](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0919)

TY, BENIN. Antonio, IK7WUL plans to be QRV as **TY2AA** from **August 18th to September 7th**. Activity will be in his spare time on 20 meters using SSB. QSL via [I8KHC](#), LoTW.

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0905)

TZ, MALI. Jeff, K1MMB will be QRV as **TZ4AM** from **September through December**. Activity will be on 80 to 6 meters using CW and SSB. Look for the TZ4AM/B beacon on 50050.5 kHz. QSL via [KX4R](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0926)

UA, EUROPEAN RUSSIA. Special event station **R1ØØGQ** is QRV **until September 7th** to commemorate the 100th anniversary of the city of Shchelkovo. QSL via bureau.

-[ARRL DX Bulletin # 34 August 21, 2025] (0822-0912)

UAØ, ASIATIC RUSSIA. Oleg, RD1A, continues to operate as **RI42SP/mm** from aboard the vessel North Pole during September. QSL via [RN3RQ](#).

-[DXNL # 2473 August 27, 2025] (0829-0926)

UAØ, ASIATIC RUSSIA. Anton, RGØC, is currently operating from Ptichiy (Bird Island; (AS-044) RR-13-30) as **RGØC/p** on 20m CW with QRP power. The duration of his stay depends on weather conditions. An additional one-day trip to Malyy Shantar in the same group is also possible. QSL via [RN3RQ](#).

-[DXNL # 2471 August 13, 2025] (0815-0905)

VE, CANADA. Mike, VE2XB will be active as **VYØZOO** from Coral Harbor on Southampton Island (NA-007) from **August 28th to September 2nd**. He will operate SSB and CW on 80-10 meters. QSL direct to [VE2XB](#).

-[425DXN # 1791 August 30, 2025] (0829-0905)

VK, AUSTRALIA. Special event station **VI1ØØSIG** is QRV **until September 3rd** to commemorate the 100th anniversary of the Australian Army Signal Corps. QSL via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 34 August 21, 2025] (0822-0905)

VK9L, LORD HOWE I. Janusz, SP9FIH will be active as **VK2/SP9FIH** from Lord Howe Island (OC-004) from **August 27th to September 13th**. Plans are to operate SSB and FT8 (FH/SF) on 30, 20, 17, 15, 12 and 10 meters. See <https://vk9.dxpedititions.org/> for more information. Reminder: according to the Australian Communications and Media Authority's updated "Amateur Radio Call Sign Policy", VK9 prefixed callsigns can be used only by operators located in an Australian External Territory other than the Antarctic. Lord Howe Island is part of New South Wales, hence the use of VK2/homecall. QSL via ClubLog's OQRS (direct requests for QSL will be uploaded to LoTW within few days, bureau requests will be uploaded after 12 months).

-[425DXN # 1787 August 2, 2025] (0822-0912)

XW, LAOS. Maxim, OH7O is QRV as **XW4YY** from Ban Na Nga **until September 11th**. Activity is on 40 to 10 meters using SSB and FT8. QSL via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0912)

XW, LAOS. Simon, HSØZIB is QRV as **XWØLP** from Luang Prabang. Activity is on 12 and 10 meters and may soon be on 40 meters. QSL via [MØOXO's OQRS](#).

-[ARRL DX Bulletin # 35 August 28, 2025] (0829-0919)

YO, ROMANIA. Members of the Federatia Romana de Radioamatorism (FRR) will be active as **YO2Ø25ENESCU** from **August 24th to September 21st**, during the George Enescu International Festival and Competition. Held in Bucharest since 1958, the Festival honors and celebrates the memory, the music and the personality of Romanian composer, pianist, violinist and conductor George Enescu (1881-1955). Certificates and eQSL will be available on <https://hamlog.online/>.

-[425DXN # 1789 August 16, 2025] (0822-0926)

YO, ROMANIA. Special callsign **YR16ØØVT** will be used by members of Radio Club YO6KGS until **March 31, 2026**, to popularize Via Transilvanica, the long-distance trail (1600 km) used for hiking, cycling and horse riding that crosses Romania. More information can be found on <https://www.grz.com/db/YR1600VT>. QSL via eQSL.

-[425DXN # 1788 August 9, 2025] (0808-0905)

Z8, SOUTH SUDAN. Diya, YI1DZ is back in Juba and QRV as **Z81D** mostly during his weekends. Activity is on various HF bands using SSB and FT8. QSL via [ØM3JW](#).

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0905)

ZB, GIBRALTAR. All Gibraltar licensed operators are allowed to switch to the "ZG" prefix during the week leading towards Gibraltar National Day (**September 10th**).

-[425DXN # 1791 August 30, 2025] (0829-0912)

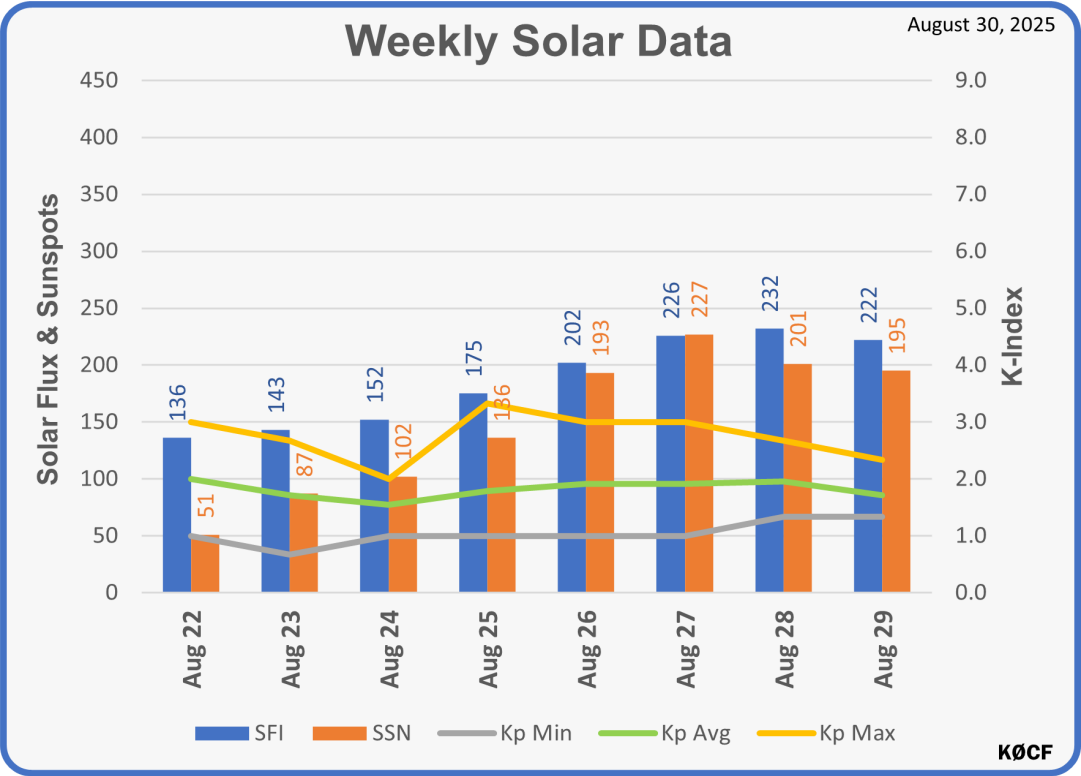
ZL, NEW ZEALAND. Special callsign **ZL1ØØC** celebrates the centenary of the New Zealand Association of Radio Transmitters (NZART), which was formed on August 16, 1926. The callsign is valid **until August 6, 2026**. QSL via the bureau and LoTW.

-[425DXN # 1789 August 16, 2025] (0815-0905)

ZS, SOUTH AFRICA. Special event stations **ZS1ØØSARL**, **ZS6SRL**, and **ZS9HQ** are QRV **until the end of 2025** to celebrate the 100th anniversary of the South African Radio League. QSL via bureau.

-[ARRL DX Bulletin # 33 August 14, 2025] (0815-0905)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

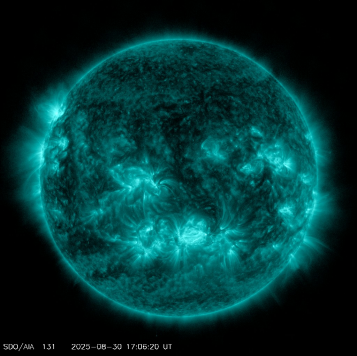
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, August 22nd through yesterday, August 29th.

The average solar flux was 193, up 72 points from the previous week, with a weekly high of 232 on Thursday, August 28th, following a low of 136 on August 22nd.

The average sunspot count was 163, up 96 from last week, peaking at 227 on Wednesday, August 27th after a weekly low of 51 on August 22nd.

The Planetary K-index weekly average was 2.8 with a maximum of 3.3 on Monday, August 25th, indicating generally quiet geomagnetic conditions. Yesterday's K-index maximum was 2.3 with generally quiet conditions.

Solar flare activity since August 23rd has been moderate with 10 major flares, the largest of which was an M 4.5 event on Tuesday, August 26th.

Propagation Data

Major solar flares, Saturday, August 23rd through 1343 UTC, August 30th.

#	Date	UTC	Mag.
1	Aug 28	2040	M 1.5
2	Aug 28	1711	M 1.2
3	Aug 28	1416	M 1.1
4	Aug 26	0525	M 4.5
5	Aug 26	0030	M 3.3
6	Aug 25	1538	M 1.1
7	Aug 25	1518	M 1.2
8	Aug 25	0524	M 4.5
9	Aug 24	0836	M 1.3
10	Aug 23	2006	M 1.9

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Aug 30	75%	20%	225
Aug 31	75%	20%	230
Sep 1	75%	20%	220

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on August 26, 2025).

Date	Flux	Kp
Aug 30	158	2
Aug 31	158	2
Sep 1	155	2
Sep 2	155	2

Date	Flux	Kp
Sep 3	145	2
Sep 4	145	5
Sep 5	140	6
Sep 6	135	5

Date	Flux	Kp
Sep 7	130	4
Sep 8	130	4
Sep 9	125	4
Sep 10	120	4

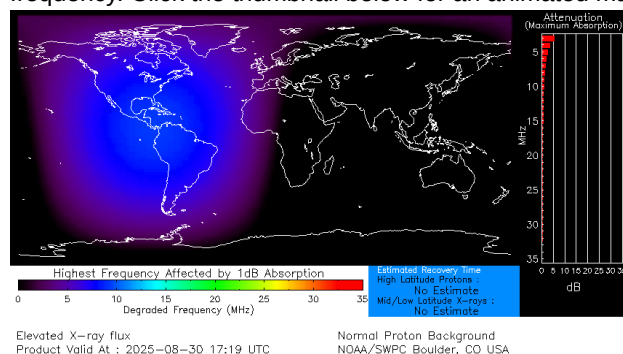
Chance Of X-Flares Today

Giant sunspot 4197 has developed an unstable 'beta-gamma-delta' magnetic field that harbors energy for strong explosions. NOAA forecasters estimate a 75% chance of [M-class](#) solar flares and a 25% chance of [X-flares](#) during the next 24 hours.

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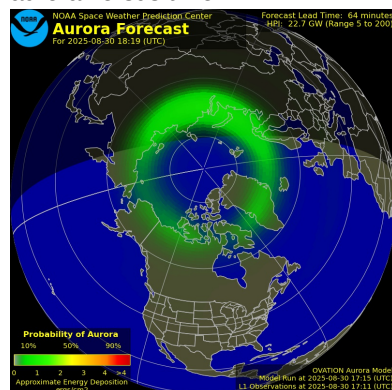
Global D Region Absorption

Conditions in the D-region of the ionosphere have a dramatic effect on HF communications. The D-Region Absorption map combines the effects of solar particles and photons. Yellow to red colors on the map depict increasing signal attenuation, where the bar chart at the right displays attenuation versus frequency. Click the thumbnail below for an animated map of D-Region Absorption:



The Aurora Borealis

The aurora is not only beautiful to see but can have a profound impact on HF and VHF radio propagation. For the HF operator, auroras can result in a complete shut-down of propagation. However, on VHF, auroras present interesting DX possibilities. Beam antennas are very desirable and should be pointed north, towards the aurora. Signals are reflected by “back-scatter” and will be distorted with a rough buzz. SSB is the best voice mode to use, but copy can be difficult. CW will have a rough buzzy sound but be perfectly copyable. Click the thumbnail below for an animated map of aurora versus time:



Highs for Cycle 25

Solar Flux: 336 on August 8, 2024.

Sunspots: 382 on August 10, 2024.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.com/>

<https://dx.gsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters. However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a

half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
YO DX HF Contest	Aug 30	1200Z	Aug 31	1200Z	Rules
World Wide Digi DX Contest	Aug 30	1200Z	Aug 31	1200Z	Rules
Kansas QSO Party	Aug 30	1400Z	Aug 31	2000Z	Rules
Tennessee QSO Party	Sep 7	1700Z	Sep 8	0300Z	Rules
ARRL September VHF Contest	Sep 13	1800Z	Sep 15	0300Z	Rules
Scandinavian Activity Contest, CW	Sep 20	1200Z	Sep 21	1200Z	Rules
New Jersey QSO Party	Sep 20	1400Z	Sep 21	0159Z	Rules

Texas QSO Party	Sep 20	1400Z	Sep 21	2000Z	Rules
Wisconsin Parks on the Air	Sep 20	1600Z	Sep 20	2300Z	Rules
Washington State Salmon Run	Sep 20	1600Z	Sep 21	2400Z	Rules
New Hampshire QSO Party	Sep 20	1600Z	Sep 21	2200Z	Rules
North American Sprint, RTTY	Sep 21	0000Z	Sep 21	0359Z	Rules
CQ Worldwide DX Contest, RTTY	Sep 27	0000Z	Sep 28	2400Z	Rules
Maine QSO Party	Sep 27	1200Z	Sep 28	1200Z	Rules
Oceania DX Contest, Phone	Oct 4	0600Z	Oct 5	0600Z	Rules
California QSO Party	Oct 4	1600Z	Oct 5	2200Z	Rules
QRP ARCI Fall QSO Party	Oct 11	0000Z	Oct 11	2359Z	Rules
Makrothen RTTY Contest	Oct 11	0000Z	Oct 12	1559Z	Rules
Nevada QSO Party	Oct 11	0300Z	Oct 12	2100Z	Rules
Oceania DX Contest, CW	Oct 11	0600Z	Oct 12	0600Z	Rules
Scandinavian Activity Contest, SSB	Oct 11	1200Z	Oct 12	1200Z	Rules
Arizona QSO Party	Oct 11	1500Z	Oct 12	0500Z	Rules
Pennsylvania QSO Party	Oct 11	1600Z	Oct 12	0400Z	Rules
	Oct 12	1300Z	Oct 12	2200Z	
South Dakota QSO Party	Oct 11	1800Z	Oct 12	1800Z	Rules
10-10 Int. Fall Contest, CW	Oct 18	0001Z	Oct 19	2359Z	Rules
New York QSO Party	Oct 18	1400Z	Oct 19	0200Z	Rules
Worked All Germany Contest	Oct 18	1500Z	Oct 19	1459Z	Rules
Stew Perry Topband Challenge	Oct 18	1500Z	Oct 19	1500Z	Rules
Illinois QSO Party	Oct 19	1700Z	Oct 20	0100Z	Rules
ARRL School Club Roundup	Oct 20	1300Z	Oct 24	2359Z	Rules
CQ Worldwide DX Contest, SSB	Oct 25	0000Z	Oct 26	2400Z	Rules
ARRL Sweepstakes Contest, CW	Nov 1	2100Z	Nov 3	0300Z	Rules
WAE DX Contest, RTTY	Nov 8	0000Z	Nov 9	2359Z	Rules
10-10 Int. Fall Contest, Digital	Nov 8	0001Z	Nov 9	2359Z	Rules
JIDX Phone Contest	Nov 8	0700Z	Nov 9	1300Z	Rules
OK/OM DX Contest, CW	Nov 8	1200Z	Nov 9	1200Z	Rules
ARRL Sweepstakes Contest, SSB	Nov 15	2100Z	Nov 17	0300Z	Rules
LZ DX Contest	Nov 22	1200Z	Nov 23	1200Z	Rules
North American SSB Sprint Contest	Nov 23	0000Z	Nov 23	0400Z	Rules
CQ Worldwide DX Contest, CW	Nov 29	0000Z	Nov 30	2400Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]